

Midwest Big Data Innovation Hub

Collaboration Cafe

November 2022



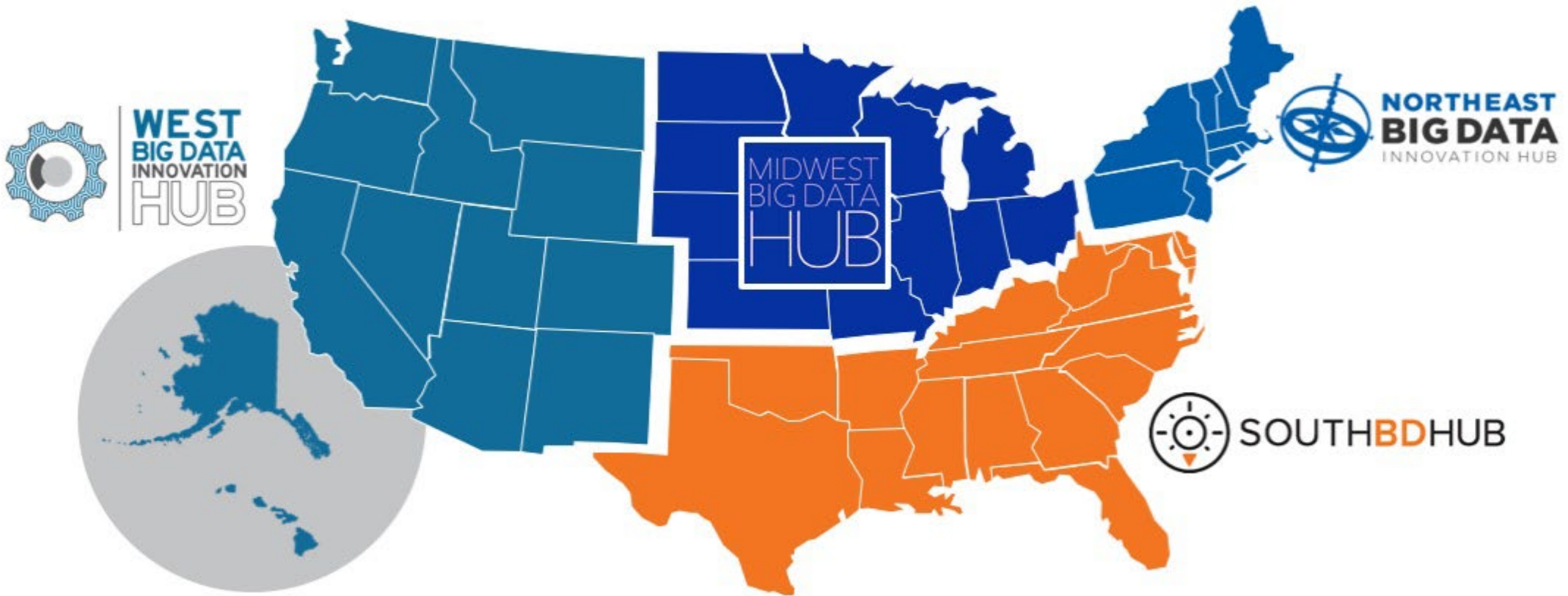
IOWA STATE
UNIVERSITY



supported by NSF [1916613](#)



Four Hubs, One Mission



What We Do

Engage communities, share resources, and build partnerships that harness data science to address societal and scientific challenges.



Priority Areas and Cross-cutting Themes

- Advanced Materials and Manufacturing
 - Big Data in Health
 - Digital Agriculture
 - Smart & Resilient Communities
 - Water Quality
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- Data Science Education and Workforce Development
 - Cyberinfrastructure and Data Sharing

Collaboration Cafe webinar series

Goals:

- Building regional capacity for large-scale proposal response
- Growing a cross-disciplinary network of data science collaborators
- Elevating early career researchers
- Creating a more diverse data science community by actively engaging with non-R1 institutions, including minority-serving institutions (MSIs), tribal colleges and universities (TCUs), and predominantly undergraduate institutions (PUIs)
- Partnering with industry, government, nonprofits, and civic organizations to support translational research and transition-to-practice activities

Regular segments:

- Funding opportunity walkthroughs
- Researcher lightning talks
- Lessons learned from prior awardees
- Speed networking
- Small group discussions

Collaboration Cafe resources

- MBDH website
 - Web page with upcoming sessions
 - Short form for engagement
- Slack community
 - Networking
 - Input on future sessions
 - New solicitations
- Shared Google Drive
 - Running notes doc
 - Relevant prior awards to Midwest institutions
- YouTube playlist of webinar recordings

Cafe Ground Rules

- Multi-disciplinary team science is a core focus here - all proposal ideas are welcome for discussion
- Research proposals are competitive; some people may not be willing to discuss the details of their projects in this venue
- Private conversations in breakout rooms or Slack private messages are private
- Participating in Collaboration Cafe activities falls under our [NSF Code of Conduct](#)

MBDH engagement on proposals

There are multiple opportunities to have MBDH participate on proposals for CyberTraining, or other projects:

- Engagement partner: Communications, outreach, community assessments, participation in Hub events and activities
 - Non-exclusive Letter of Collaboration
 - Minimal to no funding
- Collaborative partner: Engagement roles + involvement in developing and managing project activities
 - Non-exclusive Letter of Collaboration, subaward, co-PI roles, etc.
 - Funding to recover costs of staff time and other expenses
- **Note:** The MBDH is a neutral party and often provides non-exclusive Letters of Collaboration to multiple proposers to a solicitation

FFAR Fellows program goals and timeline

- Develop leadership competencies
- Develop connections across disciplinary boundaries and beyond the home institution
- Broaden career opportunities, including with industry, government, and NGOs
- Three-year period involving cohort activities, mentoring, and individual professional development



ffarfellows.org

Applications due:

- Stipend + Professional Development Category - February 22, 2023
- Professional Development Category - April 15, 2023
- Notification of award by March 15 (S+PD) and May 9 (PD)

FFAR Fellows types and Challenge Areas

- Stipend + Professional Development Fellow
 - Includes \$49,500 each year to cover tuition, fees, stipend, and related costs
- Professional Development Fellow
 - Does not include a stipend, but six application-based scholarships are available

FFAR's six Challenge Areas:

- Soil Health
- Sustainable Water Management
- Next Generation Crops
- Advanced Animal Systems
- Urban Food Systems
- Health-Agriculture Nexus

foundationfar.org/what-we-do/

FFAR Fellows program eligibility

- Open to graduate students at universities in the U.S. and Canada
- Completion of a MS degree or one year of a PhD program by June 2023
- Acceptance in a PHD program by May 1, 2023
- Three years remaining in the degree program (Fall 2023 to Spring 2026)
- A confirmed PhD faculty advisor
- Other requirements around financial sponsorship, TOEFL scores, visa type, and availability to participate in the cohort activities



FFAR Fellows program review process

- “The applicant’s research topic must address one or more of the Foundation for Food & Agriculture Research’s Six Challenge Areas, and the student must meet all eligibility requirements.
- Applications are considered by a selection committee comprised of the following:
 - Scientists and business professionals from companies in the fields of agriculture and the life sciences
 - Research and academic administrators from university programs in agriculture and the life sciences
 - Program officers from the Foundation for Food and Agriculture Research
- Applications are judged primarily on the quality of the student and the student’s potential to benefit from and contribute to a peer cohort of future leaders in food and agriculture.
- Finalists may be invited to an online interview with members of the selection committee.”

Discussion

- How has being a FFAR Fellow impacted your:
 - Research?
 - Personal network?
 - Professional development?
- What would you recommend to a colleague who is interested in applying to be a Fellow?



Get involved

- <https://midwestbigdatahub.org/cafe>
- info@midwestbigdatahub.org

January 18, 2023

3:00–4:00 p.m. CT / 4:00–5:00 p.m. ET

- Topic: Support for Mid-Career Researchers
- Solicitation: NSF Mid-Career Advancement (MCA)

February 15, 2023

3:00–4:00 p.m. CT / 4:00–5:00 p.m. ET

- Topic: Data Science Education and Workforce Development in Genomics
- Solicitation: NIH Research Experience in Genomic Research for Data Scientists



Get Involved ▾

MBDH Collaboration Cafe

Community Development and Engagement Program

Community Advisory Panel

Midwest Carpentries Community

Data Science Student Community

Regional Activities

Event in a Box Tool Kit

Explore Funding Opportunities

Join a Working Group

